gatatcgttacgcttcatgtgccgctcaatacggatacgcactatattat cagccacgaacaaatacagagaatgaagcaaggagcatttcttatcaata ctgggcgcggtccacttgtagatacctatgagttggttaaagcattagaa aacgggaaactgggcggtgccgcattggatgtattggaaggaggaaga gtttttctactctgattgcacccaaaaaccaattgataatcaatttttac ttaaacttcaaagaatgcctaacgtgataatcacaccgcatacggcctat tataccgagcaagcgttgcgtgataccgttgaaaaaaccattaaaaactg tttggattttgaaaggagacaggagcatgaatagaataaaagttgcaata ctgtttgggggttgctcagaggagcatgacgtatcggtaaaatctgcaat agagatagccgctaacattaataaagaaaaatacgagccgttatacattg gaattacgaaatctggtgtatggaaaatgtgcgaaaaaccttgcgcggaa tgggaaaacgacaattgctattcagctgtactctcgccggataaaaaaat gcacggattacttgttaaaaagaaccatgaatatgaaatcaaccatgttg atgtagcattttcagctttgcatggcaagtcaggtgaagatggatccata caaggtctgtttgaattgtccggtatcccttttgtaggctgcgatattca aagctcagcaatttgtatggacaaatcgttgacatacatcgttgcgaaaa atgctgggatagctactcccgccttttgggttattaataaagatgatagg ccggtggcagctacgtttacctatcctgtttttgttaagccggcgcttc aggeteateetreggtgtgaaaaaagteaatagegeggaegaattggaet acgcaattgaatcggcaagacaatatgacagcaaaatcttaattgagcaggctgtttcgggctgtgaggtcggttgtgcggtattgggaaacagtgccgc gttagttgttggcgaggtggaccaaatcaggctgcagtacggaatctttc gtattcatcaggaagtcgagccggaaaaaggctctgaaaacgcagttata accgttcccgcagacctttcagcagaggaggaggaggatacaggaaac ggcaaaaaaatatataaagcgctcggctgtagaggtctagcccgtgtgg atatgtttttacaagataacggccgcattgtactgaacgaagtcaatact ctgcccggtttcacgtcatacagtcgttatccccgtatgatggccgctgc aggtattgcacttcccgaactgattgaccgcttgatcgtattagcgttaa aggggtgataagcatggaaataggatttacttttttagatgaaatagtac acggtgttcgttgggacgctaaatatgccacttgggataatttcaccgga aaaccggttgacggttatgaagtaaatcgcattgtagggacatacgagtt ggctgaatcgcttttgaaggcaaaagaactggctgctacccaagggtacg gattgcttctatgggacggttaccgtcctaagcgtgctgtaaactgtttt atgcaatgggctgcacagccggaaaataacctgacaaaggaaagttatta tcccaatattgaccgaactgagatgatttcaaaaggatacgtggcttcaa aatcaagccatagccgcg

	10		20	Majority
	10	20	30	40
				U94526.se
				U94527.se
				U94528.se
	 			U94529.se
TOTAL				U94530.se
				L15304.se
				U72704.se
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				<u> Majority</u>
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				U94526.se
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			·	U94528.se
			·	U94529.se
				U94530.se
				L15304.se
				U72704.se
in in the second		Non Consult a	e iz Conspession inche co	U00456.se
				<u> Majority</u>
		•	•	
	90	100	110	120
	90	100	110	
	90	100	110	U94526.s
	90	100	110	U94526.se
	90	100	110	U94526.se
	90	100	110	U94526.sq U94527.sq U94528.sq U94529.sq U94530.sq
	90	100		U94526.sq U94527.sq U94528.sq U94529.sq
			C C C C P C T P E	U94526.s U94527.s U94528.s U94529.s U94530.s L15304.s U72704.s
			110	U94526.se U94527.se U94528.se U94529.se U94530.se L15304.se U72704.se
			C C C C P C T P E	
	AACGATGCC	G C C A T C C T C C	CACCGAAAAA TGCAAAAAA	U94526.sc U94527.sc U94528.sc U94529.sc U94530.sc L15304.sc U72704.sc U00456.sc
	AACGATGCC 130 AACGATGCC	G C C A T C C T C C	C C C C C C C C C C C C C C C C C C C	U94526.sc U94527.sc U94528.sc U94529.sc U94530.sc L15304.sc L15304.sc U72704.sc U00456.sc G A T C A Majority
	A A C G A T G C C 130 A A C G A T G C C A A C G A T G C C A A C G A T G C C	G C C A T C C T C C 140 G C C A T C C T C C G C C A T C C T C C	C T G C A A A A A A A A A A A A A A A A A A	U94526.sc U94527.sc U94528.sc U94529.sc U94530.sc L15304.sc L15304.sc U72704.sc U00456.sc GATCA Majority 160 GATCA U94526.sc GATCA U94526.sc
	A A C G A T G C C 130 A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C	G C C A T C C T C C 140 G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C	CAGGAAAAAA 150 CTGCAAAAAAA CTGCAAAAAA	U94526.sc U94527.sc U94528.sc U94529.sc U94530.sc L15304.sc L15304.sc U72704.sc U00456.sc G A T C A Majority 160 G A T C A U94526.sc G A T C A U94527.sc G A T C A U94528.sc
	A A C G A T G C C 130 A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C	G C C A T C C T C C 140 G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C	CACCGT T G C A A A A A A A A A A A A A A A A A A	U94526.sc U94527.sc U94528.sc U94529.sc U94530.sc L15304.sc L15304.sc U72704.sc U00456.sc G A T C A Majority 160 G A T C A U94526.sc G A T C A U94527.sc G A T C A U94528.sc G A T C A U94529.sc
	A A C G A T G C C 130 A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C	G C C A T C C T C C 140 G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C	CACCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	U94526.sq U94527.sq U94529.sq U94530.sq L15304.sq L15304.sq L15304.sq U00456.sq U00456.sq GATCA U94526.sq GATCA U94527.sq GATCA U94528.sq GATCA U94529.sq GATCA U94530.sq
	A A C G A T G C C 130 A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C A A C G A T G C C	G C C A T C C T C C 140 G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C G C C A T C C T C C	CACCGT T G C A A A A A A A A A A A A A A A A A A	GATCA U94526.sc GATCA U94527.sc GATCA U94526.sc GATCA U94528.sc GATCA U94528.sc GATCA U94530.sc GATCA U94530.sc

Fig 2 (sheet)

ACACGGGCAAGCCTTCTGCATCCAAGCACCCGATATAC 170 180 190 200 ACACGGGCAAGCCCTCTGCATCCAAGCACCCGATATACTT U94526.seg 35 ACACGMGCAAGCCCTCTGCATCCAAGCACCCGATATACTT U94527.seq 35 ACACGGGCAAGCCCTCTGCATCCAAGCACCCGATATACTT U94528.seq ACACGGGCAAGCCCTCTGCATCCAAGCACCCGATATACTT U94529.seq 35 ACACGGGCAAGCCCTTCTGCATCCAAGCACCCGATATACTT U94530.seq 35 ACACGGGCAAGCCCTCTGCATCCAAGCACCCGATATACTT L15304,seq 563 ACACGGGCAAGCCCTCTGCATCCAAGC CCCGATATACTT U72704.seq 770 ACACGMGCAAGCCCTCTGCATCCAAGCACCCGATATACTT U00456.seq TCTTTGCCGTTTCCTGCACCCGATTTCGTTCCTCGACCGG Majority 210 220 230 240 TCTTTGCCGTTTCCTGCACCCGATTTCGTTCCTCGACCGG U94526.seq 75 TCTTTGCCGTTTC TGCACCCGATTTCGTTCCTCGACCGG U94527.seq 75 TCTTTGCCGTTTCCTGCACCCGATTTCGTTCCTCGACCGGU94528.seq 75 TCTTTGCCGTTTCCTGCACCCGATTTCGTTCCTCGACCGGU94529.seq 75 TCTTTGCCGTTTCCTGCACCCGATTTCGTTCCTCGACCGGU94530.seq 75 TCTTTGCCGTTTCCTGCACCCGATTTCGTTCCTCGACCGG L15304.seq 523 ТСТТТ G C C G T T T C C T G C A C C C G A T T T C G T T C C 🔯 C G A C 🔯 G G U72704.seq TCTTTGCCGTTTOMTGCACCCGATTTCGTTCCTCGACCGG U00456.seq 890 AATGTCTGCGGGAACTGTAATCATCGCATTTTCTGAGCCT Majority 250 260 270 280 115 AATGTCTGCGGAACTGTAATCATCGCATTTTCTGAGCCT U94526.seq AATGTCTGC GGAAC TAATCATCGCATT TCTGAGCCT U94527.seq 115 AATGTCTGCGGGAACTGTAATCATCGCATTTTCTGAGCCT U94528.seq AATGTCTGCGGAACTGTAATCATCGCATTTTCTGAGCCT U94529.seq AATGTCTGCGGGAACTGTAATCATCGCATTTTCTGAGCCT U94530.seq AATGTCTGCGGGAACTGTAATCATCGCATTTTCTGAGCCT L15304.seq 483 ATGTCTGCGGAAC GTAATCATCGCATTGTCTGAGCCT U72704.seq AATGTCTGCGGAAC TAATCATCGCATTGTCTGAGCCT U00456.seq 690 850 TTTTCCGGCTCGTTTTCCTGATGGATGCGGAAGATACCGT Majority 290 300 310 320 TTTTCCGGCTCGTTTTCCTGATGGATGCGGAAGATACCGT U94526.seq 155 TTTTCCGGCTCGTTTTCCTGATGGATGCGGAAGATACCGT U94527.seq TTTTCCGGCTCGTTTTCCTGATGGATGCGGAAGATACCGT U94528.seq 155 TTTTCCGGCTCGTTTTCCTGATGGATGCGGAAGATACCGT U94529.seq 155 TTTTCCGGCTCGTTTTCCTGATGGATGCGGAAGATACCGT U94530.seq 155 TTTTCCGGCTCGTTTTCCTGATGGATGCGGAAGATACCGT L15304.seq 443 TTTTCCGGCTCGTTTTCCTGATGGATGCGGAAGATACC TT U72704.seq 650 TTTTCCGGCTCGTTTCCTGATGGATGCGGAAGATACCGT U00456.seq

> FIG. 2 (Sheet 2 10) contid

GGCTCAGCCGGATTTGATCCACTTCGCCGACAATCAAATC Majority 340 330 350 360 GGCTCAGCCGGATTTGATCCACTTCGCCGACAATCAAATC U94526.seq 195 GGCTCAMCCGGGATTTGATCCACTTCGCCGACAATCAAATC U94527.seq 195 GGCTCAGCCGGATTTGATCCACTTCGCCGACAATCAAATC U94528.seq 195 GGCTCAGCCGGATTTGATCCACTTCGCCGACAATCAAATC U94529.seq 195 GGCTCAGCCGGATTTGATCCACTTCGCCGACAATCAAATC U94530.seq GGCTCAGCCGGATTTGATCCACTTCGCCGACAATCAAATC L15304.seq 403 GGCTCAGCCGGATTTGATCCACTTCGCCGACAATCAAATC U72704.seq 610 GG,CTCA 20 CCG,GATTTGATCCACTTCGCCGACAATCAAATC U00456.seq ATCCTCGTTCCCCATGACCGCACACCCGACCTCACAGCCC Majority 370 380 390 400 ATCCTCGTTCCCCATGACCGCACACCCGACCTCACAGCCC U94526.seq ATCCTCGTT CCCATGACCGC CA CCCC U94527.seq 235 ATCCTCGTTCCCCATGACCGCACACCCCGACCTCACAGCCC U94528.seq 235 ATCCTCGTTCCCCATGACCGCACACCCGACCTCACAGCCC U94529.seq 235 ATCCTCGTTCCCCATGACCGCACACCCGACCTCACAGCCCU94530.seq ATCCTCGTTCCCCATGACCGCACACCCGACCTCACAGCCCL15304.seq ATCCTCGTTCCCCATMACCGCACACCCGACCTCACAGCCCU72704.seq ATCCTCGTTCCCATGACCGCCCACCCCACACCCCU00456.seq GAAATCGCTTGCTCAATTAAGATTTTTCCATCATATTGTC Majority 410 420 430 GAAATCGCTTGCTCAATTAAGATTTTTCCATCATATTGTC U94526.seq 275 275 GAAATCGCTTGCTCAATTTAAGATTTTTCCATCATATTGTCU94527.seq 275 GAAATCGCTTGCTCAATTAAGATTTTCCATCATATTGTCU94528.seq GAAATCGCTTGCTCAATTAAGATTTTTCCATCATATTGTCU94529.seq GAAATCGCTTGCTCAATTAAGATTTTTCCATCATATTGTC U94530.seq 323 GAAATCGCTTGCTCAATTAAGATTTTTCCATCATATTGTC L15304.seq 530 GAAATCGCTTGCTCAATTAAGATTTTTCCATCATATTGTC U72704.seq GAAATCGCTTGCTCAATTAAGATTTTCCATCATATTGTC U00456.seq 690 CTGCCGCTTCTATCGCAGCGTTAAGTTCTTCCGTACCGTT Majority 460 470 480 CTGCCGCTTCTATCGCAGCGTTAAGTTCTTCCGTACCGTT U94526.seq CTGC AGC TTCTATCGCAGCGTT AGAGTTCTTCCGTAC AGTT U94527.seq CTGCCGCTTCTATCGCAGCGTTAAGTTCTTCCGTACCGTT U94528.seq 315 CTGCCGCTTCTATCGCAGCGTTAAGTTCTTCCGTACCGTT U94529.seq 315 CTGCCGCTTCTATCGCAGCGTTAAGTTCTTCCGTACCGTT U94530.seq 315 CTGCCGCTTCTATCGCAGCGTTAAGTTCTTCCGTACCGTT L15304.seq 283 CTGCCGCTTCTATCGCAGCGTTAAGTTCTTCCGTACCGTT U72704.seq 490 СТССЩССТТСТАТСССАСССТТ ДАСТТСТТСССТАСДСТТ U00456.seq

> FIG. 2 (continued) Sheet 3 of 10

TACGCCAAAGGACGAACCTGACCGTGCCGGC Majority 490 500 510 TACTTTGGTTACGCCAAAGGACGAACCTGACCGTGCCGGC U94526.seq 355 TACTTTGGTTACGCCAAAGGACGAACCTGACCGTGCCGGC U94527.seq TACTTTGGTTACGCCAAAGGACGAACCTGACCGTGCCGGC U94528.seq TACTTTGGTTACGCCAAAGGACGAACCTGACCGTGCCGGC U94529.seq 355 TACTTTGGTTACGCCAAAGGACGAACCTGACCGTGCCGGC U94530.seq 355 TACTTTGGTTACGCCAAAGGACGAACCTGACCGTGCCGGC L15304.seq 243 TACTTTGGTTAA GCCAAAGGACGAACCTGACCGTGCCGGC U72704.seq 450 TACTTTGGTTACGCCAAAGGACGAACCTGACCGTGCCGGC U00456.seq TTCACAAAGACAGGGTAGGTAAGCGCACCCGCCTCCGGCT Majority 550 560 . 530 540 TTCACAAAGACAGGGTAGGTAAGCGCACCCGCCTCCGGCT U94526.seq TTCACAAAGACAGGGTAGGTAAGCG CCCCCCGG T U94527.seq 395 TTCACAAAGACAGGGTAGGTAAGCGCACCCGCCTCCGGCT U94528.seq 395 TTCACAAAGACAGGGTAGGTAAGCGCACCCGCCTCCGGCT U94529.seq 395 395 TTCACAAAGACAGGGTAGGTAAGCGCACCCGCCTCCGGCT U94530.seq TTCACAAAGACAGGGTAGGTAAGCGCACCCGCCTCCGGCT L15304.seq 203 TTCACAAAGACAGGGTAGGTAAGCGCACCCG 📆 CTCCGGCT U72704.seq 410 TTCACAAAGACAGGGTAGGTAAGCG CCCCCCCG G T U00456.seq 570 T G T C A C C T T T A T C A A T C A T T T G A A A T T C G G G A A C G G C G A T Majority 580 570 600 T G T C A C C T T T A T C A A T C A T T T G A A T T C G G G A A C G G C G A T ·U94526.seq 435 TGTCACCTTT TTCAATCATTTGAAATTCGGGGACGGCGAT U94527.seq 435 TGTCACCTTTATCAATAATTTGAAATTCGGGAACGGCGAT U94528.seq TGTCACCTTTATCAATAATTTGAAATTCGGGAACGGCGAT U94529.seq 435 435 TGTCACCTTTATCAAT ATTGAAATTCGGGAACGGCGAT U94530.seq 435 TGTCACCTTTATCAATCATTTGAAATTCGGGGAACGGCGAT L15304.seq 163 TGTCACCTTTATCAATCATTTGAAATTCGGGAACGGCGAT U72704.seq 370 TGTCACCTTT TTCAATCATTTGAAATTCGGGGACGGCGAT U00456.seq 530 G C C C G C A T T T T T T G T A A G A A T G T A G G C C A G T G A T T T G T C C Majority 610 620 630 640 G C C C G C A T T T T T T G T A A G A A T G T A G G C C A G T G A T T T G T C C U94526.seq 475 475 G C C C G C A T T T T T T G T A A G A A T G T A G G C C A G T G A T T T G T C C U94527.seq 475 G C C C G C A T T T T T T G T A A G A A T G T A G G C C A G T G A T T T G T C C U94528.seq G C C C G C A T T T T T T G T A A G A A T G T A G G C C A G T G A T T T G T C C U94529.seq 475 4.75 G C C C G C A T T T T T T G T A A G A A T G T A G G C C A G T G A T T T G T C C U94530.seq 123 G C C C G C A T T T T T T G T A A G A A T G T A G G C C A G T G A T T T G T C C L15304.seq GCCCGCATTTTTTGTAAGAATGTAGGCCAGTGATTTGTCC U72704.seq 330 GCCCGCATTTTTTGTAAGAATGTAGGCCAGTGATTTGTCC U00456.seq

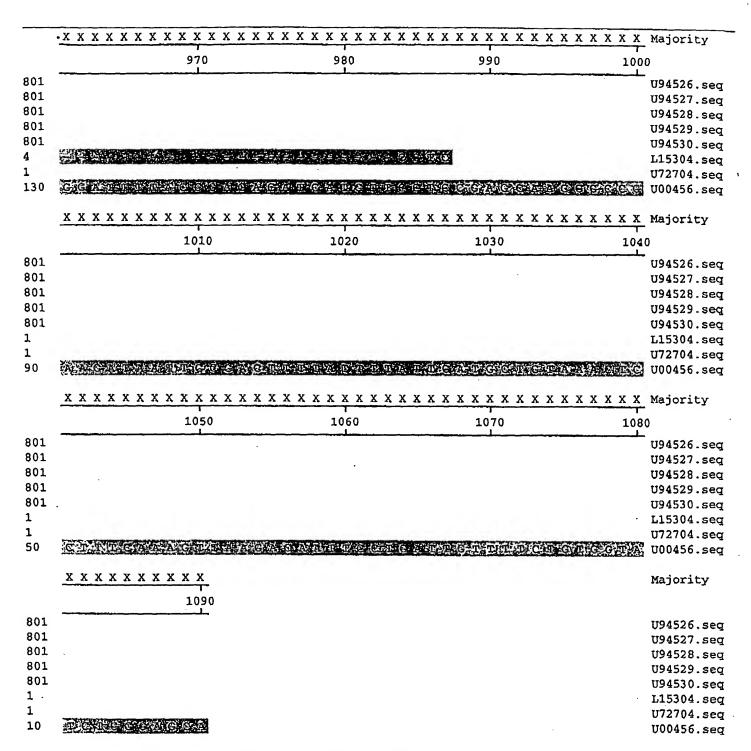
> F167. 2 (cnt'd) Sheet 4 g 10

·ATGCAAGCTGCGGAGCTTTGAATATCACAGCCCACATAGG Majority 650 660 670 680 ATGCAAGCTGCGGAGCTTTGAATATCACAGCCCACATAGG U94526.seg 515 ATGCAAGCTGCGGAGCTTTGAATATCCCAGCCCAACATAGG U94527.seq 515 ATGCAAGCTGCGGAGCTTTGAATATCACAGCCCACATAGG U94528.seq ATGCAAGCTGCGGAGCTTTGAATATCACAGCCCACATAGG U94529.seq ATGCAAGCTGCGGAGCTTTGAATATCACAGCCCACATAGG U94530.seq ATGCAAGCTGCGGAGCTTTGAATATCACAGCCCACATAGG L15304.seq 83 ATGCAAGCTGCGGAGCTTTGAATATCCCAGCCACATAGG U72704.seq ATGCAAGCTGCGGAGCTTTGAATATCCCAGCCATAGG U00456.seq 290 G G A T A C C A G A C A A T T C A A A C A G C C C T G T A T C G C A C C A T C Majority 690 700 710 720 GGATACCAGACAAT CAAACAGCCCCTGTATCGCACCATC U94526.seq GGATACCAGACAATTCAAACAG CCCTGTATCGCACCATC U94527.seq GGATACCAGACAAT CAAACAGCCCCTGTATCGCACCATC U94528.seq GGATACCAGACAAT CAAACAGCCCCTGTATCGCACCATC U94529.seq GGATACCAGACAAT CAAACAGCCCCTGTATCGCACCATC U94530.seq 555 555 43 GGATACCAGACAATTCAAACAGTCCCTGGATGGCACC GGATECCAGACAATTCAAAAACCCCTGTATCGCACCATCU72704.seq 250 GGATACCAGACAATTCAAACAG CCCTGTATCGCACCATC U00456.seq CTCCCCGCATTTGCCATGCAAAACCGGGAAAGCCACATCA Majority 740 760 CTCCCCGCATTTGCCATGCAAAACCGGGAAAGCCACATCA U94526.seq CTCCCCGCATTTGCCATGCAAAACCGGGAAAGCCAC TCA U94527.seq CTCCCCGCATTTGCCATGCAAAACCGGGAAAGCCACATCA U94528.seq CTCCCCGCATTTGCCAAAACCGGGAAAGCCACATCA U94529.seq 595 CTCCCCGCATTTGCCATGCAAAACCGGGAAAGCCACATCA U94530.seq C A T L15304.seq 210 CTCCCCGCATTTGCCATGCAAAAC GGGAAAGCCACATCA U72704.seq CTCCCCGCATTTGCCATGCAAAACCGGGAAAGCCACETCA U00456.seq ATACGCCGTGTTTCGTATTCGCTTTCTTTCATGACAAGCA Majority 770 780 790 800 ATACGCCGTGTTTCGTATTCGCTTTCTTTCATGACAAGCA U94526.seq ATACGCCG GTTTCGTATTC CTTTCATGACAAGCA U94527.seq ATACGCCGTGTTTCGTATTCGCTTTCTTTCATGACAAGCA U94528.seq ATACGCCGTGTTTCGTATTCGCTTTCTTCATGACAAGCA U94529.seq 635 ATACGCCGTGTTTCGTATTCGCTTTCTTTCATGACAAGCA U94530.seq 635 L15304.seq ATACGCCGTGTTTCGTATTCGCTTTTCTTTCATGACAAGCAU72704.seq 170 330 ATACGCCG GTTTCGTATTC CTTTCATGACAAGCA U00456.seq

> F1G. 2. (cmt'1) Sheet 5 g 10

GCCCATGCGTTTTCCTATCCGGGGAGAGTATGGCGGGGAG Majority 810 820 830 840 GCCCATGCGTTTTCCTATCCGGGGAGAGTATGGCGGGGAG U94526.seq 675 G C C A T G C G T T T T C C T A T C C G G G G A G A T A T G G C G G G A G U94527.seq 675 GCCCATGCGTTTTCCTATCCGGGGAGAGTATGGCGGGGAGU94528.seq 675 GCCCATGCGTTTTCCTATCCGGGGAAGATATGGCCGGGAG U94529.seq 675 G C C C A T G C G T T T T C C T A T C C G G G G A G A G T A T G G C G G G A G U94530.seq 675 L15304.seg GACCATGCGTTTTCCTATCCGGGGAGAGTATGGCGGGGAGU72704.seq 130 GMCCATGCGTTTTCCTATCCGGGGAGAMTATGGCGGGGAG U00456.seq ACTGTCGGCTTCCCATTCCGTACATGGCTTCTTGCATAGC Majority 850 860 870 880 ACTGTCGGCTTCCCATTCCGTACATGGCTTCTTGCATAGC U94526.seq 715 ACTMTCGGCTTCCCATTCCGTACATGGCTTCTTGCATAGC U94527.seq 715 ACTGTCGGCTTCCCATTCCGTACATGGCTTCTTGCATAGCU94528.seq 715 ACTGTCGGCTTCCGATTCCGTACATGGCTTCTTGCATAGCU94529.seq 715 715 ACTGTCGGCTTCCGATTCCGTACATGGCTTCTTGCATAGCU94530.seq 90 ACTGTCGGCTTCCCATTCCGTACATGGCTTCTTGCATAGCU72704.seq 250 ACTMTCGGCTTCCCATTCCGTACATGGCTTCTTGCATAGCU00456.seq TTCCATACACCGTTTTTTGTAATTCCGATGTAGTGCGGAT Majority 890 900 910 920 TTCCATACACCGTTTTTTGTAATTCCGATGTAGTGCGGAT U94526.seq 755 TTCCATAC CCGTTTTTTGTAATTCCGATGTAGTGCGGAT U94527.seq 755 TTCCATACACCGTTTTTTGTAATTCCGATGTAGTGCGGAT U94528.seq 755 TTCCATACACCGTTTTTTGTAATTCCGATGTAGTGCGGAT U94529.seq 755 TTCCATACACCGTTTTTTGTAATTCCGATGTAGTGCGGAT U94530.seq 755 TTCCATACACCO TTTTGTAATTCCGATGTAGTGCGGAT U72704.seq 50 TTCCATAC CCGTTTTTTGTAATTCCGATGTAGTGCGGAT U00456.seq 210 930 940 950 960 795 CGAATTT U94526.seg 795 CGAATTT U94527.seq 795 CGAATTT U94528.seq CGAATTT 795 U94529.seq 795 CGAATTT U94530.seg 原情 表示の デザラ L15304.seg 10 U72704.seg DGG U00456.seg

> F161. 2 (gut'd) Sheet 6 of 16



Decoration 'Decoration #1': Shade (with black at 40% fill) residues that differ from the Consensus.

FIG. 2 (cmt'd) 8heet 7 g 10

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1 aacgatgccg ccatcctct gcaaaaaaag atcaacacgg gcaagcctc tgcatccaag
61 cacccgatat actttctttg ccgtttcctg cacccgattt cgttcctcga ccggaatgtc

121 tgcgggaact gtaatcatcg cattttctga gcctttttcc ggctcgtttt cctgatggat
181 gcggaagata ccgtggctca gccggatttg atccacttcg ccgacaatca aatcatcctc
241 gttccccatg accgcacacc cgacctcaca gcccgaaatc gcttgctcaa ttaagatttt
301 tccatcatat tgtcctgccg cttctatcgc agcgttaagt tcttccgtac cgtttacttt
361 ggttacgcca aaggacgaac ctgaccgtgc cggcttcaca aagacagggt aggtaagcgc
421 acccgcctcc ggcttgtcac ctttatcaat catttgaaat tcgggaacgg cgatgccgc
481 atttttgta agaatgtagg ccagtgattt gtccatgcaa gctgcggagc tttgaatatc
541 acagcccaca taggggatac cagacaatac aaacagcccc tgtatcgcac catcctcccc
601 gcatttgcca tgcaaaaccg ggaaagccac atcaatacgc cgtgtttcgt attcgctttc
661 tttcatgaca agcagccat gcgttttcct atccggggag agtatggcgg ggagactgtc
721 ggcttccat tccgtacatg gcttcttgca tagcttccat acaccgtttt ttgtaattcc
781 qatgtagtgc ggatcgaatt t
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SEQIDIU: 10

acceptate activity controlled acceptate category category category category category at a controlled acceptate activity category category category at a controlled acceptate acc

SEQTO NO: 11

1 aacgatgccg ccatcctct gcaaaaaag atcaacacgg gcaagcctc tgcatccaag 61 cacccgatat acttctttg ccgtttcctg cacccgattt cgttcctcga ccggaatgtc 121 tgcgggaact gtaatcatcg cattttctga gcctttttcc ggctcgtttt cctgatggat 181 gcggaagata ccgtggctca gccggatttg atccacttcg ccgacaatca aatcatcctc 241 gttccccatg accgcacacc cgacctcaca gcccgaaatc gcttgctcaa ttaagatttt 301 tccatcatat tgtcctgccg cttctatcgc agcgttaagt tcttccgtac cgtttacttt 361 ggttacgcca aaggacgaac ctgaccgtgc cggcttcaca aagacagggt aggtaagcgc 421 acccgcctcc ggcttgtcac ctttatcaat aatttgaaat tcgggaacgg cgatgccgc 481 atttttgta agaatgtagg ccagtgattt gtccatgcaa gctgcggagc tttgaatatc 541 acagcccaca taggggatac cagacaatac aaacagcccc tgtatcgcac catcctccc 601 gcatttgcca tgcaaaaccg ggaaagccac atcaatacgc cgtgtttcgt attcgttc 661 tttcatgaca agcagccat gcgttttcct atccggggag agtatggcgg ggagactgtc 721 ggcttccat tccgtacatg gcttcttgca tagcttccat acaccgtttt ttgtaattcc 781 gatgtagtgc ggatcgaatt t

SEQ IDNO:12

F161. 2 (cont'd) Sheet 8 g 10

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1 aacgatgceg ccatcetect gcaaaaaaag atcaacacgg gcaagceete tgcatceaag 61 caccegatat actteetteg ccgttecteg caccegattt cgttectega ccggaatgte 121 tgcgggaact gtaatcateg cattetetga gcettettee ggetegttt cetgatggat 181 gcggaagata ccgtggetea gccggatttg atceactteg ccgacaatea aatcateete 241 gtteeceatg accgcacace cgaceteaca gcccgaaate gettgeteaa ttaagatttt 301 tecatcatat tgteetgeeg cttetatege agegttaagt tetteegtae cgtttaettt 361 ggttacgca aaggacgaac ctgacegtge cggetteaca aagacagggt aggtaagege 421 accegeetee ggettgteae etttateaat aatttgaaat tegggaacgg cgatgeegg 481 atttttgta agaatgtagg ccagtgattt gteeatgeaa getgeggage tttgaatate 541 acageceaca taggggatae cagacaatae aaacageeee tgtategeae catceteeee 601 gcatttgeaa tgcaaaaceg ggaaagceae atcaatacge cgtgtttegt attegette 661 ttteatgaca agcagecat gcgtttteet atceggggag agtatggegg ggagactgte 721 ggetteeat teegtacatg gettettgea tagetteeat acaccegttt ttgtaattee 781 gatgtagtge ggategaatt t
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SEQTO NO:13

61 121 181 241	cacccgatat tgcgggaact gcggaagata qttccccatg	actttctttg gtaatcatcg ccgtggctca accgcacacc	ccgtttcctg cattttctga gccggatttg cgacctcaca	cacccgattt gcctttttcc atccacttcg gcccgaaatc	gcaageeete egtteetega ggetegtttt eegacaatea gettgeteaa tetteegtae	ccggaatgtc cctgatggat aatcatcctc ttaagatttt
421 481 541 601 661 721	accegectee attttttgta acageceaca geatttgeea ttteatgaea	ggcttgtcac agaatgtagg taggggatac tgcaaaaccg agcagcccat tccgtacatg	ctttatcaat ccagtgattt cagacaatac ggaaagccac gcgttttcct gcttcttgca	aatttgaaat gtccatgcaa aaacagcccc atcaatacgc atccggggag	aagacagggt tcgggaacgg gctgcggagc tgtatcgcac cgtgtttcgt agtatggcgg acaccgtttt	tttgaatatc catcctcccc attcgctttc ggagactgtc

SECTIONS A

1 gaggatgggt gcatccaggg actgtttgaa ttgtctggta tcccctatgt gggctgtgat 61 attcaaagct ccgcagcttg catggacaaa tcactggct acattcttac aaaaaatgcg 121 ggcatcgccg ttcccgaatt tcaaatgatt gataaaggtg acaagccgga ggcgggtgcg 181 cttacctacc ctgtctttgt gaagccggca cggtcaggtt cgtcctttgg cgtaaccaaa 241 gtaaacggta cggaagaact taacgctgcg atagaagggg caggacaata tgatggaaaa 301 atcttaattg agcaagcgat ttcgggctgt gaggtcggt gtgcggtcat ggggaacgag 361 gatgatttga ttgtcggca agtggatcaa atccggctga gccacggtat cttccgcatc 421 catcaggaaa acgagccgga aaaaggctca gaaaatgcga tgattacagt tcccgcagac 481 attccggtcg aggaacgaaa tcgggtgcag gaaacggcaa aggatggcgg catcgtcta 601 aatgaggtca acaccctgcc cggcttcacg

SED TO NO!

F16. 2 (cnt'd) 8heet 9 1/0

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1 gaaaaattcg atccgcacta catcggaatt acaaaaggg gtgtatggaa gctatgcaag
61 aagccatgta cggaatggga agccgacagt ctccccgcca tactctccc ggataggaaa
121 acgcatggtc tgcttgtcat gaaagaaagc gaatacgaaa cacggcgtat tgatgtggct
181 ttcccagttt tgcatggcaa atgcggggag gacggtgcga tacaaggttt atttgaattg
241 tctggcatcc cctatgtggg ctgcgatatt caaagctccg cagcttgcat ggacaaatca
301 ctggcctaca ttcttacaaa aaatgcgggc atcgccgttc ccgaatttca aatgattgat
361 aaaggtgaca agccggagac gggtgcgctt acctaccctg tctttgtgaa gccggcacgg
421 tcaggttcgt cctttggctt aaccaaagta aacggtacgg aagaacttaa cgctgcgata
481 gaagcggcag gacaatatga tggaaaaatc ttaattgagc aagcgatttc gggctgtgag
541 gtcggctgtg cggttatggg gaacgaggat gatttgattg tcggcgaaat ggatcaaatc
601 cggctgagc atggtatct ccgcatccat caggaaaacg agccggaaaa aggatcagag
661 aatgcgatga ttaccgttcc tgcagacatc ccagtcgggg aacgaaatcg ggtgcaggaa
721 acggcaaaga aagtatatcg ggcgcttgga tgcagaggc ttgcccgtgt tgatctttt
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SEQIPIU: 16

1 tgctgcgaga taccacagaa aacaatcagg aattgtctta actttgaaag gagtttacag 61 catgaataaa ataaaagtcg caattatctt cggcggttgc tcggaggaac atgatgtgtc 121 ggtaaaatcc gcaatagaaa ttgctgcgaa cattaatact gaaaaattcg atccgcacta 181 catcggaatt acaaaaaacg gcgtatggaa gctatgcaag aagccatgta cggaatggga 241 ageogatagt eteceegeea tatteteece ggataggaaa aegeatggte tgettgteat 301 gaaagaaaga gaatacgaaa ctcggcgtat tgacgtggct ttcccggttt tgcatggcaa 361 atgcggggag gatggtgcga tacagggtct gtttgaattg tctggtatcc cctatgtagg 421 ctgcgatatt caaagctccg cagcttgcat ggacaaatca ctggcctaca ttcttacaaa 481 aaatgcgggc atcgccgtcc ccgaatttca aatgattgaa aaaggtgaca aaccggaggc 541 gaggacgett acctaccetg tetttgtgaa geeggeaegg teaggttegt eetttggegt 601 aaccaaagta aacagtacgg aagaactaaa cgctgcgata gaagcagcag gacaatatga 661 tggaaaaatc ttaattgagc aagcgatttc gggctgtgag gtcggctgcg cggtcatggg 721 aaacgaggat gatttgattg tcggcgaagt ggatcaaatc cggttgagcc acggtatctt 781 cogcatocat caggaaaacg agooggaaaa aggotcagag aatgogatga ttatogttoo 841 agcagacatt ccggtcgagg aacgaaatcg ggtgcaagaa acggcaaaga aagtatatcg 901 ggtgcttgga tgcagagggc ttgctcgtgt tgatcttttt ttgcaggagg atggcggcat 961 cgttctaaac gaggtcaata ccctgcccgg ttttacatcg tacagccgct atccacgcat 1021 ggcggctgcc gcaggaatca cgcttcccgc actaattgac agcctgatta cattggcgat 1081 agagaggtga

SEAJONU:5

F/61. 2 (cmtd) 8heet 10 y 10 Escherichia coli Klebsiella pneumoniae Serratia marcescens Citrobacter freundii Proteus mirabolis Salmonella enteritidids Pseudomonas aeroginosa Haemophilus influenzae Haemophilus parainfluenzae Candida glabrata Candida albicans Candida krusei Candida parapsolosis Bacillus cereus Listeria monocytogenes Corynebacterium urealyticum Archanobacterium haemolyticum Erysipilothrix rhusopathiae Stomatococcus Micrococcus luteus Staphylococcus saphrophyticus Staphylococcus aureus Staphylococcus epidermidis Group A Streptococcus Streptococcus mitis Streptococcus pneumoniae Group B Streptococcus VanA Enterococcus faecium VanB Enterococcus faecium Non VanA/VanB Enterococcus faecium

Fig 3